

2 Abstract of the Disclosure

4 A walk reel mower includes a pair of inclined rigid
6 links for mounting the reel cutting unit to the reel mower
8 frame for rolling about a longitudinal axis, and a pair of
vertical support arms for mounting the reel cutting unit to
the reel mower frame for pitching about a transverse axis.
An integrated gearbox houses both the traction and reel
drives, including the differential that is part of the trac-
tion drive, as well as a parking brake. A flexible drive
shaft powers the cutting reel from the gearbox and is made
from materials that do not require petroleum based
lubricants to avoid the possibility of damage to the turf or
grass. A single control handle located on the handle of the
mower actuates both the reel and traction drives. The reel
cutting unit includes a back plate which has a portion
formed as a hollow beam for strength. The reel cutting unit
also has a pivot axis for the bedknife allowing adjustment
of the bedknife relative to the cutting reel without chang-
ing the longitudinal location of the front edge of the bed-
knife to ensure consistent cutting of the cutting unit.
Finally, an improved mounting for the grass basket used on
the cutting unit is disclosed which mounting avoids in-
advertent disengagement of the grass basket from the cutting
unit.